



# Statistics, B.S.

## FALL

## SPRING

Course Number	Course Title	USP	CR	Min Grade	Grade	Course Number	Course Title	USP	CR	Min Grade	Grade
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### FRESHMAN YEAR

MATH 2200	Calculus I	Q	4	C		MATH 2205	Calculus II	Q	4	C	
<i>Prerequisite: C in Math 1405 or 1450, MPE 5, Math ACT 27, Math SAT 640</i>						<i>Prerequisite: C in MATH 2200</i>					
	USP: Communications I	C1	3	C		STAT 2050	Fundamentals of Statistics		4	C	
<i>Prerequisite: Varies</i>						<i>Prerequisite: C in MATH 1400</i>					
	USP: First Year Seminar	FYS	3	C		COSC 1010	Intro to Computer Sci 1		3	C	
	USP: US & WY Constitution	V	3				USP: Human Culture	H	3		
	USP: Phys & Nat World	PN	3								
<i>Prerequisite: Varies</i>											
<b>Total</b>						<b>Total</b>					
16						14					

### SOPHOMORE YEAR

MATH 2210	Calculus III		4	C		MATH 2250	Elementary Linear Algebra		3	C	
<i>Prerequisite: C in MATH 2205</i>						<i>Prerequisite: C in MATH 2200 or MATH 2350</i>					
	USP: Communications II	C2	3	C			USP: Human Culture	H	3		
<i>Prerequisite: C in C1</i>											
	USP: Phys & Nat World	PN	3			STAT 4015	Regression Analysis		3	C	
<i>Prerequisite: Varies</i>						<i>Prerequisite: C in STAT 2050 or equivalent</i>					
COSC 1030	Computer Science 1		4	C			General Elective		3		
<i>Prerequisite: C in COSC 1010</i>						<i>Prerequisite: Varies</i>					
<b>Total</b>						<b>Total</b>					
14						15					

### JUNIOR YEAR

STAT 4025	Design & Analysis Exper		3	C		STAT 4265	Intro Theory of Statistics		3	C	
<i>Prerequisite: C in STAT 2050 or equivalent</i>						<i>Prerequisite: C in STAT/MATH 4255</i>					
STAT 4255	Math Theory of Probability		3	C		STAT 4270	Applied Bayesian Statistics		3	C	
<i>Prerequisite: C in MATH 2210</i>						<i>Prerequisite: C in STAT 4015 / 2015</i>					
	STAT Upper Division Elec		3	C			General Elective		3		
<i>Prerequisite: Varies</i>						<i>Prerequisite: Varies</i>					
	General Elective		3				General Elective		3		
<i>Prerequisite: Varies</i>						<i>Prerequisite: Varies</i>					
	General Elective		4				General Elective		3		
<i>Prerequisite: Varies</i>						<i>Prerequisite: Varies</i>					
<b>Total</b>						<b>Total</b>					
16						15					

### SENIOR YEAR

	STAT Upper Division Elec		3	C		STAT 4870	Senior Thesis		3	C	
<i>Prerequisite: Varies</i>						<i>Prerequisite: 18 hours in Statistics and senior standing</i>					
	STAT Upper Division Elec		3	C			STAT Upper Division Elec		3	C	
<i>Prerequisite: Varies</i>						<i>Prerequisite: Varies</i>					
	General Elective		3				Upper Div General Elective		3		
	General Elective		3				Upper Div General Elective		3		
	USP: Communications III	C3	3	C			Upper Div General Elective		3		
<i>Prerequisite: C in C2</i>											
<b>Total</b>						<b>Total</b>					
15						15					

#### Fall only or spring only course

Total Program Credits: 120

- A minimum of 120 hours is required. A minimum of 42 hours must be upper division. Only grades of C or better will be accepted for the major.
- General Electives cannot meet any other requirement for the major, and should be selected to satisfy the 42-credit upper division requirement.
- Degree candidates must meet the academic requirements of the university.